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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/652,745	08/29/2003	Charles S. Schasteen	NVI 5252.4	1765
321 SENNIGER PC	590 05/14/2008 WERS LLP	3	EXAMINER	
ONE METROP	POLITAN SQUARE		KANTAMNENI, SHOBHA	
16TH FLOOR ST LOUIS, MO 63102			ART UNIT	PAPER NUMBER
			1617	
			NOTIFICATION DATE	DELIVERY MODE
			05/14/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspatents@senniger.com

Advisory Action Before the Filing of an Appeal Brief

Application No.		Applicant(s)	
	10/652,745	SCHASTEEN ET AL.	
	Examiner	Art Unit	

	Shobha Kantamneni	1617							
The MAILING DATE of this communication appe	ars on the cover sheet with the c	orrespondence add	ress						
THE REPLY FILED <u>11 April 2008</u> FAILS TO PLACE THIS APP		-							
1. The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Apperfor Continued Examination (RCE) in compliance with 37 C periods:	the same day as filing a Notice of A replies: (1) an amendment, affidavited al (with appeal fee) in compliance w	Appeal. To avoid abar ., or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request						
a) The period for reply expires <u>4</u> months from the mailing date	of the final rejection.								
b) The period for reply expires on: (1) the mailing date of this Anno event, however, will the statutory period for reply expire la Examiner Note: If box 1 is checked, check either box (a) or (MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f	ater than SIX MONTHS from the mailing b). ONLY CHECK BOX (b) WHEN THE ').	date of the final rejection FIRST REPLY WAS FIL	n. LED WITHIN TWO						
Extensions of time may be obtained under 37 CFR 1.136(a). The date of have been filed is the date for purposes of determining the period of extunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL	ension and the corresponding amount of hortened statutory period for reply origin	of the fee. The appropria nally set in the final Offic	ate extension fee e action; or (2) as						
 The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed wind AMENDMENTS 	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of the							
3. X The proposed amendment(s) filed after a final rejection, b	out prior to the date of filing a brief	will not be entered be	031160						
 (a) ☐ They raise new issues that would require further cor (b) ☐ They raise the issue of new matter (see NOTE below 	nsideration and/or search (see NOT w);	E below);							
(c) ☐ They are not deemed to place the application in beti appeal; and/or	ter form for appeal by materially rec	lucing or simplifying th	ne issues for						
(d) ☐ They present additional claims without canceling a control NOTE: (See 37 CFR 1.116 and 41.33(a)).	corresponding number of finally reje	ected claims.							
4. The amendments are not in compliance with 37 CFR 1.12	21. See attached Notice of Non-Cor	mpliant Amendment (I	PTOL-324).						
5. Applicant's reply has overcome the following rejection(s):									
6. Newly proposed or amended claim(s) would be all non-allowable claim(s).		•	_						
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is prov The status of the claim(s) is (or will be) as follows: Claim(s) allowed: <u>NONE</u> .		be entered and an ex	xplanation of						
Claim(s) objected to: Claim(s) rejected: <u>75,77-104 and 113-133</u> . Claim(s) withdrawn from consideration:									
AFFIDAVIT OR OTHER EVIDENCE									
8. The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).									
9. The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary	vercome <u>all</u> rejections under appea	l and/or appellant fails	s to provide a						
10. ☐ The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	n of the status of the claims after er	ntry is below or attache	ed.						
 The request for reconsideration has been considered but See page 2. 	does NOT place the application in	condition for allowand	ce because:						
12. ☐ Note the attached Information <i>Disclosure Statement</i>(s). (13. ☐ Other:	PTO/SB/08) Paper No(s)								
/SREENI PADMANABHAN/ Supervisory Patent Examiner, Art Unit 1617									
Supervisory Faterit Examiner, Art Onit 1017									

Continuation of 3: Applicant's proposed amendment herein, add new claims 134-136, inserting new limitations into the new claims 134-136, present new issue for search and consideration by the Examiner.

Therefore, the proposed amendment After Final will not be entered.

Continuation of 11. All rejections of record in the Final Office Action 12/11/2007 are maintained. Applicant's remarks/arguments filed on 04/11/2008 after FINAL with respect to all rejections made under 35 U.S.C. 112, second paragraph, and under 35 U.S.C. 103(a) have been fully considered but are unpersuasive in view of not entered proposed amendment, and as discussed in the Final Rejection, and those found below.

Rejection of Claims 75, 77-80, 82-87, 90-93, 96-98, 104, 113, 115-119, 133 under 35 U.S.C. 103(a) as being unpatentable over Ivey et al. (US 5,928,686, PTO-892), and as evidenced by Blake et al. (US 2,938,053, PTO-892), in view of Bland et al. (US 5,591,467, PTO-892) is MAINTAINED.

Applicant argues that "'467 patent, when properly viewed in its entirety, teaches away from the use of the listed organic acids or their combinations because they are said to be ineffective at killing bacteria in animal feed." These arguments have been considered, but not found persuasive because '467 teaches clearly that formic acid, propionic acid, lactic acid have bactericidal properties and kill bacteria in solution. As evidenced by Blake et al. 2-hydroxy-4-(methylthio)butanoic acid has antimicrobial activity. Accordingly, it is generally considered prima facia obvious to combine compounds each of which is taught by the prior art to be useful for the same purpose, in order to form a composition which is used for the very same purpose. The idea for combining them flows logically from their having been used individually in the prior art. As shown by recited teachings of Ivey et al. Blake et al., and Bland et al., the instant claims contain agents such as hydroxy-methylthio butanoic acid, propionic acid, formic acid, lactic acid useful as antimicrobial agents. In re Kerkohoven, 626 F.2d 848, 205 USPQ 1069 (CCPA 1980).

Applicant argues that "Not one of the passages of column 1 cited by the Office establishes that 2-hydroxy-4- (methylthio)butanoic acid is effective in killing microbes in feed or water." These arguments have been considered, but not found persausive. It is pointed out that as the combined teachings of Ivey et al., Blake et al., and Bland et al., renders the claimed composition obvious, the property of such a claimed composition will also be rendered obvious by the prior art teachings, since the properties, namely "killing microbes in food" when mixed with food, are inseparable from its composition. Therefore, if the prior art teaches the composition or renders the composition obvious, then the properties are also taught or rendered obvious by the prior art. In re Spada, 911 F.2d 705, 709, 15 USPQ 1655, 1658 (Fed. Cir. 1990.) See MPEP 2112.01. The burden is shifted to Applicant to show that the prior art product does not possess or render obvious the same properties as the instantly claimed product. Thus, the methods as taught by Ivey et al., Blake et al., and Bland et al., necessarily result in killing microbes in food, as recited in the claims.

Rejection of Claims 88-89 under 35 U.S.C. 103(a) as being unpatentable over Ivey et al. and as evidenced by Blake et al. (US 2,938,053, PTO-892), in view of Bland et al., and further in view of Pinski et al. (US 2002/0172737, PTO-892) is MAINTAINED.

Applicant argues that "Nowhere does the '737 application disclose that any of the above referenced "liquid antimicrobials" are effective at killing microbes in food or water that isn't "encapsulated", as required by claim 88. Moreover, of the rather long list of antimicrobials, only two (i.e., benzoate and propionic) are even recited in claim 88." These arguments have been considered, but not found persuasive. It is pointed out that the instant claims are not limited to unencapsulated antimicrobials. The instant claims broadly recite "compostion comprising at least two organic acids." Pinski et al. ('737) teaches that organic acids such as propionic acid, citric acid etc. are employed in aquatic feed to provide shelf life. Accordingly, one of ordinary skill in the art would have been motivated to employ the formulation comprising Alimet, organic acids taught by the combination of references to mix with feed for aquatic animal because Ivey et al. formulations have antimicrobial properties according to Blake et al, and Pinski teaches that the feed composition for feeding aquatic animals comprise antimicrobial agents.

The rejection of Claims 94-95 under 35 U.S.C. 103(a) as being unpatentable over Ivey et al. and as evidenced by Blake et al. (US 2,938,053, PTO-892) in view of Bland et al., and further in view of Friedman et al. (US 4,495,208, PTO-892) is MAINTAINED.

Applicant argues that "'208 patent discloses that the "more preferred acids" are those selected from the group consisting of heptanoic, octanoic, and nonanoic. None of the preferred organic acids are even recited in claim 94." These arguments have been considered, but not found persuasive. It is pointed out that the '208 reference was employed for its teachings that antibacterial agents are employed in pet food, and not for particular organic acids.

Rejection of Claims 75-82, and 96 under 35 U.S.C. 103(a) as being unpatentable over Paquet et al. (CA 1261855, PTO-892), in view of Bland et al. (US 5,591,467, PTO-892) is MAINTAINED.

Applicant argues that "Formula I is not disclosed by Paquet et al. The compounds of Formula I require a sulfur atom at one end of the molecule and a carboxylic acid at the other terminal of the molecule. While Paquet et al. disclose sulfur when Y is methionine, Paquet et al., does not comprise a carboxylic acid at the other end of the molecule irrespective of what moiety is selected for X." These arguments have been considered, but not found persuaisve. It is pointed out that Paquet teaches N-acyl methionine as the antimicrobial compound. N-acyl methionine has sulfur atom at one end and carboxylic acid at the other terminal and thus meets instant formula (I).

Applicant's arguments with respect to rejection of Claims 75, 77, 97, 99-103, 113-117, 133 under 35 U.S.C. 103(a) as being unpatentable over Doerr et al. (Poultry Science, 74 (1), 23, 1995, PTO-892), in view of Rolow et al. (US 6,355,289, PTO-892) have been considered, but not found persuasive as discussed above, and those found in the final office action.